

Appendix 1-4: Comprehensive Everglades Restoration Plan Annual Report – 470 Report

Wanda Caffie-Simpson and Matthew Morrison

Contributors: Sheryl Boutin¹, Angela Carney²,
Stacey Feken³ and Bonnie Lawhon²

INTRODUCTION

The Comprehensive Everglades Restoration Plan (CERP) Annual Report (also known as the CERP 470 Report) is required to provide oversight and accountability for financial commitments under the Everglades restoration legislation, and to record progress of the CERP implementation, in accordance with Section 373.470(7), Florida Statutes (F.S.). This report is prepared annually by the South Florida Water Management District (SFWMD or District) in cooperation with the Florida Department of Environmental Protection (FDEP), and is made available to the legislature and public as part of the *2014 South Florida Environmental Report (SFER) – Volume I*. The CERP Annual Report fulfills statutory reporting requirements, providing CERP financial updates for Fiscal Year 2013 (FY2013) (October 1, 2012–September 30, 2013) and the status on the CERP implementation. The report is divided into three parts (A, B, and C), paralleling the content requirement outlined in the statute.

Similar to previous SFERs, Parts (A) and (B) in this year's report provide an update on District and FDEP fund appropriations, revenues, and expenditures related to the CERP Program. Information is provided on the Florida Forever Trust Fund, the Save Our Everglades Trust Fund, and other funding sources used for CERP projects, components, features; or facilities that benefit CERP. Additionally, itemized expenditures related to CERP implementation are presented, along with the purpose for which the funds were expended, the unencumbered fund balance remaining for CERP implementation, and the schedule of anticipated expenditures for the next fiscal year (FY2014). As FDEP fund appropriations, revenues, and expenditures reflect the Save Our Everglades Trust Fund in its entirety, funding used for implementation of the Northern Everglades and Estuaries Protection Program (NEEPP) is also included. Reporting information for NEEPP is presented in Appendix 8-1 of this volume.

Part (C) in this year's report provides an overview of the CERP implementation by reviewing the progression of each project or component through the CERP implementation process. Additionally, highlights of key CERP activities occurring during the reporting cycle are provided. To further streamline annual reporting, project specific details such as descriptions, project schedules, fiscal year milestones, and accomplishments are available in the SFER Consolidated Project Report Database at www.sfwmd.gov/sfer. Further reporting information on CERP is also available at www.evergladesplan.org and www.sfstore.org/documents/index.html.

¹ Florida Department of Environmental Protection, Division of State Lands, Tallahassee, FL

² Florida Department of Environmental Protection, Bureau of Finance and Accounting, Tallahassee, FL

³ Florida Department of Environmental Protection, Office of Ecosystem Projects, Tallahassee, FL

PART (A) FUNDS – SFWMD AND FDEP

BACKGROUND

Pursuant to Section 373.470(7)(a), F.S., Part (A) of the CERP Annual Report contains fiscal-year information on revenues, expenditures, fund balance, and anticipated expenditures related to CERP implementation. This is summarized in **Tables 1- 4** as follows:

- **Table 1:** FY2013 revenues
- **Table 2:** FY2013 expenditures
- **Table 3:** FY2013 unencumbered fund balance remaining in trust funds or other accounts
- **Table 4:** Anticipated expenditures for the next fiscal year, FY2014

The financial information contained in this annual report is taken from unaudited FY2013 records. Audited FY2013 information is scheduled to be available during the second quarter of FY2014. Any changes to the financial information presented in this appendix will be reflected in the District's Comprehensive Annual Financial Report and in future CERP Annual Reports. No federal revenues or expenditures are shown in these schedules.

The District is funding its share of CERP with revenues from several sources, the largest portion of which is composed of *ad valorem* taxes. Other sources include, but are not limited to, state appropriations, investment earnings on available cash balances, contributions from local governments, mitigation revenues, long-term debt, and Florida Forever Program funds (for additional information, see Volume II, Chapter 6A).

BASIS OF PRESENTATION

Accounting principles, policies, and practices of both the District and the FDEP conform with accounting principles generally accepted in the United States (GAAP) for state and local governments, and are structured in accordance with the Governmental Accounting Standards Board requirements. GAAP require the use of fund accounting. A fund is a separate fiscal and accounting entity having a self-balancing set of accounts. Fund accounting is designed to segregate transactions related to certain functions or activities to ensure resources are applied to finance the activities and objectives for which the resources are received and to show compliance with legal and contractual obligations.

Table 1. Comprehensive Everglades Restoration Plan (CERP) revenues for Fiscal Year 2013 (FY2013) (October 1, 2012–September 30, 2013)¹.

Source	SFWMD ²	FDEP ³	Other Local Sponsors	Total
Save Our Everglades Trust Fund:				
General Revenue		\$5,225,221		\$5,225,221
Documentary Stamp Taxes (for Debt Service)		\$17,842,290		\$17,842,290
Transfer - Water Management Lands Trust Fund		\$20,000,000		\$20,000,000
Investment Earnings (net)		\$443,499		\$443,499
Save Our Everglades Trust Fund – Total		\$43,511,010	\$0	\$43,511,010
Ad Valorem Resources	\$35,013,236			\$35,013,236
Investment Earnings	\$353,525			\$353,525
Florida Forever Trust Fund		\$267,414		\$267,414
State Appropriations	\$41,941			\$41,941
Alligator Alley Toll Revenues	\$521,039			\$521,039
Lease Revenues	\$1,000			\$1,000
Miscellaneous Revenues	\$202,063			\$202,063
Total Revenues	\$36,132,804	\$43,778,424	\$0	\$79,911,228

¹ Federal revenues are not listed in this table.

² This information is being presented prior to the completion of the SFWMD annual audit and is subject to further adjustments.

³ This information for FDEP reflects the Save Our Everglades Trust Fund in its entirety, including funding to be used for implementation of the Northern Everglades and Estuaries Protection Program (NEEPP).

Table 2. CERP expenditures for FY2013^{1,2}.

Projects	SFWMD	FDEP	Total Expenditures
Local Sponsor - SFWMD^{3,4}			
Pilot Projects			
Lake Okeechobee ASR Pilot			\$0
Caloosahatchee River (C-43) ASR Pilot			\$0
Hillsboro ASR Pilot	\$793		\$793
ASR Regional Study			\$0
Lake Belt In-Ground Reservoir Technology Pilot			\$0
L-31N Seepage Management Pilot			\$0
Wastewater Reuse Technology Pilot			\$0
Lake Okeechobee Region			
Lake Okeechobee Watershed			\$0
Lake Istokpoga Regulation Schedule			\$0
Lake Okeechobee Aquifer Storage and Recovery			\$0
Lower West Coast Region			
C-43 Basin Storage Reservoir – Part 1	\$31,251		\$31,251
C-43 Basin Aquifer Storage and Recovery – Part 2			\$0
Caloosahatchee Backpumping with Stormwater Treatment			\$0
Picayune Strand (SGGE) Hydrologic Restoration	\$1,139,163	\$267,414	\$1,406,577
Big Cypress/L-28 Interceptor Modifications			\$0
Upper East Coast Region			
Indian River Lagoon – South / C-44 Reservoir and STA	\$5,620,943	\$156,021	\$5,776,964
Indian River Lagoon – South	\$168,166		\$168,166
Everglades Agricultural Area			
River of Grass			\$0
Everglades Agricultural Area Storage Reservoirs – Phase 1			\$0
EAA Bolles and Cross Canals			\$0
Everglades Agricultural Area Storage Reservoirs – Phase 2			\$0
Everglades, Florida Bay and Florida Keys Region			
Central Everglades Planning Project	\$1,567,348		\$1,567,348
Flow to NW and Central WCA 3A			\$0
WCA-3 Decomp and Sheetflow Enhancement – Part 1	\$458,864		\$458,864
WCA-3 Decomp and Sheetflow Enhancement – Part 2			\$0
ENP Seepage Management			\$0
Bird Drive Recharge Area			\$0
Loxahatchee National Wildlife Refuge Internal Canal Structures			\$0
Modify Holey Land Wildlife Management Area Operation Plan			\$0
Modify Rotenberger Wildlife Management Area Operation Plan			\$0
Melaleuca Eradication and Other Exotic Plants	\$1,242		\$1,242
Florida Keys Tidal Restoration			\$0

Table 2. Continued.

Projects	SFWMD	FDEP	Total Expenditures
Loxahatchee River Watershed Region			
Loxahatchee River Watershed	\$2,470,626		\$2,470,626
LRWRP Flow-way 2 Storage	\$2,620		\$2,620
L-8 Reservoir (CERPL17C)		\$8,206,618	\$8,206,618
Loxahatchee River Watershed – Part 2			\$0
Water Preserve Areas Region			
ACME Basin B Discharge			\$0
Strazzulla Wetlands			\$0
Site 1 Impoundment	\$20,527		\$20,527
Broward County WPA	\$24,344		\$24,344
C-11 Impoundment			\$0
C-9 Impoundment			\$0
WCA-3A/3B Seepage Management			\$0
C-4 Structure			\$0
PBC Agriculture Reserve Reservoir – Part 1			\$0
PBC Agriculture Reserve Aquifer Storage & Recovery – Part 2			\$0
Hillsboro Aquifer Storage & Recovery – Part 2			\$0
Diverting WCA Flows to CLB to Downstream Natural Areas			\$0
Broward Co. Secondary Canal System			\$0
Miami-Dade Region			
North Lake Belt Storage Area			\$0
Central Lake Belt Storage Area			\$0
Biscayne Bay Coastal Wetlands (CERPL28) ⁵	\$458,485	(\$598,308)	(\$139,823)
C-111 Spreader Canal	\$1,353,609	\$919,283	\$2,272,892
Critical Restoration Projects			
Ten Mile Creek	\$3,010		\$3,010
Western Tamiami Trail Culverts			\$0
Western C-4 Water Control Structures			\$0
Southern CREW	\$201,011	\$384,728	\$585,739
Lake Trafford Restoration			\$0
Lake Okeechobee Water Retention/Phosphorus Removal	\$72,126		\$72,126
Western C-11 Water Quality Improvement			\$0
Critical Restoration Program Controls			\$0
Reconnaissance, Feasibility, and Planning Studies			
Southwest Florida Feasibility Study	\$733		\$733
Florida Bay and Florida Keys Feasibility Study			\$0
Indian River Lagoon Feasibility Study			\$0
Water Preserve Areas Feasibility Study			\$0

Table 2. Continued.

Projects	SFWMD	FDEP	Total Expenditures
Monitoring and Evaluation			
RECOVER	\$410,838		\$410,838
Adaptive Assessment and Monitoring	\$1,015,987		\$1,015,987
Program Management and Support			
Program Management	\$796,699		\$796,699
Debt Service ⁶	\$15,749,510	\$18,177,317	\$33,926,827
Program Support ⁶	\$3,347,657	\$802,870	\$4,150,527
Program Controls			\$0
Public Involvement and Outreach			\$0
Environmental and Economic Equity			\$0
Data Management	\$684,361		\$684,361
Interagency Modeling Center	\$366,618		\$366,618
Master Recreation Plan			\$0
Programmatic Regulations			\$0
CERP Pre-Cursors			
C-111 /MWD/CSOP Project Implementation	\$260,891		\$260,891
Other Local Sponsors⁷			
Comprehensive Integrated Water Quality Feasibility Study (FDEP)		\$336,441	\$336,441
Biscayne Bay Feasibility Study (Miami-Dade DERM)	N/A		N/A
Seminole Tribe Big Cypress Reservation Water Conservation Plan (Seminole Tribe)	N/A		N/A
Henderson Creek/Belle Meade Restoration (FDEP)	N/A		N/A
Lakes Park Restoration (Lee County)	N/A		N/A
Winsberg Farms Wetlands Restoration (Palm Beach County)	N/A		N/A
Miccosukee Water Management Plan (Miccosukee Tribe)	N/A		N/A
Restoration of Pineland & Hardwood Hammocks in C-111 Basin (Miami-Dade County)	N/A		N/A
West Miami-Dade Reuse (Miami-Dade County)	N/A		N/A
South Miami-Dade Reuse (Miami-Dade County)	N/A		N/A
Total	\$36,227,422	\$28,652,384	\$64,879,806

¹ Federal expenditures are not listed in table.

² SFWMD FY2013 expenditures exclude \$15,005,063 of anticipated SOETF and other State funding for which the District will seek reimbursement.

³ Project expenditures include indirect costs that are charged to the program by applying a federally approved rate to direct salaries.

⁴ This information is being presented prior to the completion of the SFWMD annual audit and is subject to further adjustments.

⁵ The negative expenditure amount in project CERPL28 is due to expenditures being recorded in the incorrect fund and project. These entries have been backed out and recorded correctly. Other period adjustments made during this reporting period have been excluded from the current period expenditure amounts.

⁶ Debt Service for SFWMD on the 2006 series Certificates of Participation to fund project construction; and Debt Service for existing bonds issued by FDEP for both CERP and NEEPP projects. Program Support for FDEP represents administrative support for both CERP and NEEPP.

⁷ For local sponsors other than the SFWMD, "N/A" indicates the information is not available.

Table 3. CERP unencumbered fund balance for FY2013¹.

	SFWMD ²	FDEP ⁵	Other Local Sponsors	Total
Fund Balance as of October 1, 2012³	\$50,247,179	\$23,543,220	N/A	\$73,790,399
Add: Revenues	\$36,132,804	\$43,778,424	N/A	\$79,911,228
Less: Expenditures	(\$36,227,422)	(\$34,260,969)	N/A	(\$70,488,391)
Fund Balance as of September 30, 2013³	\$50,152,561	\$33,060,675	N/A	\$83,213,236
Less: Encumbrances - as of September 30, 2013	(\$6,222,237)	(\$12,000)	N/A	(\$6,234,237)
Less: Designated Fund Balance ⁴	(\$17,587,876)	-	N/A	(\$17,587,876)
Add: Fund Balance Reserved for Encumbrances as of September 30, 2012	-	-	N/A	-
Unencumbered Balance as of September 30, 2013	\$26,342,448	\$33,048,675	N/A	\$59,391,123

¹ Federal revenues and expenditures are not included in this table.² This information is being presented prior to the completion of the SFWMD annual audit and is subject to further adjustments.³ Fund balance figures for SFWMD include the CERP Ad Valorem Fund, Other Creditable CERP Fund and CERP Capital Construction Fund.⁴ This represents the CERP *ad valorem* portion of fund balance designated to fund the following year's budget.⁵ The information for FDEP reflects the Save Our Everglades Trust Fund in its entirety, including funding to be used for NEEPP implementation.

Table 4. CERP anticipated expenditures for Fiscal Year 2014 (FY2014)
(October 1, 2013–September 30, 2014).^{1,2}

Projects	Total Anticipated Expenditures
Local Sponsor - SFWMD	
Pilot Projects	
Lake Okeechobee ASR Pilot	
Caloosahatchee River (C-43) ASR Pilot	
Hillsboro ASR Pilot	
ASR Regional Study	
Lake Belt In-Ground Reservoir Technology Pilot	
L-31N Seepage Management Pilot	
Wastewater Reuse Technology Pilot	
Lake Okeechobee Region	
Lake Okeechobee Watershed	\$93,262
Lake Istokpoga Regulation Schedule	
Lake Okeechobee Aquifer Storage and Recovery	
Lower West Coast Region	
C-43 Basin Storage Reservoir – Part 1	\$50,558
C-43 Basin Aquifer Storage and Recovery – Part 2	
Caloosahatchee Backpumping with Stormwater Treatment	
Picayune Strand (SGGE) Hydrologic Restoration	\$16,015,987
Big Cypress/L-28 Interceptor Modifications	
Upper East Coast Region	
Indian River Lagoon – South / C-44 Reservoir and STA	\$30,346,433
Indian River Lagoon – South	\$125,123
Everglades Agricultural Area	
River of Grass	
Everglades Agricultural Area Storage Reservoirs – Phase 1	\$550,000
EAA Bolles and Cross Canals	
Everglades Agricultural Area Storage Reservoirs – Phase 2	
Everglades, Florida Bay and Florida Keys Region	
Central Everglades Planning Project	\$401,866
Flow to NW and Central WCA 3A	
WCA-3 Decomp and Sheetflow Enhancement – Part 1	\$582,258
WCA-3 Decomp and Sheetflow Enhancement – Part 2	
ENP Seepage Management	
Bird Drive Recharge Area	
Loxahatchee National Wildlife Refuge Internal Canal Structures	
Modify Holey Land Wildlife Management Area Operation Plan	
Modify Rotenberger Wildlife Management Area Operation Plan	
Melaleuca Eradication and Other Exotic Plants	
Florida Keys Tidal Restoration	

Table 4. Continued.

Projects	Total Anticipated Expenditures
Loxahatchee River Watershed Region	
Loxahatchee River Watershed	\$81,546,617
LRWRP Flow-way 2 Storage	\$115,308
L-8 Reservoir (CERPL17C)	
Loxahatchee River Watershed – Part 2	
Water Preserve Areas Region	
ACME Basin B Discharge	
Strazzulla Wetlands	
Site 1 Impoundment	\$19,417
Broward County WPA	
C-11 Impoundment	
C-9 Impoundment	
WCA-3A/3B Seepage Management	
C-4 Structure	
PBC Agriculture Reserve Reservoir – Part 1	
PBC Agriculture Reserve Aquifer Storage & Recovery – Part 2	
Hillsboro Aquifer Storage & Recovery – Part 2	
Diverting WCA Flows to CLB to Downstream Natural Areas	
Broward Co. Secondary Canal System	
Miami-Dade Region	
North Lake Belt Storage Area	
Central Lake Belt Storage Area	
Biscayne Bay Coastal Wetlands (CERPL28)	\$2,563,789
C-111 Spreader Canal (CERPL29)	\$1,439,391
Critical Restoration Projects	
Ten Mile Creek	\$15,000
Western Tamiami Trail Culverts	
Western C-4 Water Control Structures	
Southern CREW	\$2,296,005
Lake Trafford Restoration	
Lake Okeechobee Water Retention/Phosphorus Removal	\$133,818
Western C-11 Water Quality Improvement	
Critical Restoration Program Controls	
Reconnaissance, Feasibility, and Planning Studies	
Southwest Florida Feasibility Study	\$2,000
Florida Bay and Florida Keys Feasibility Study	
Indian River Lagoon Feasibility Study	
Water Preserve Areas Feasibility Study	

Table 4. Continued.

Projects	Total Anticipated Expenditures
Monitoring and Evaluation	
RECOVER	\$800,910
Adaptive Assessment and Monitoring	\$1,367,469
Program Management and Support	
Program Management and Support	\$950,319
Program Controls ³	\$7,020,184
Debt Service ⁴	\$37,995,633
Public Involvement and Outreach	
Environmental and Economic Equity	
Data Management	\$542,499
Interagency Modeling Center	\$422,188
Master Recreation Plan	
Programmatic Regulations	
CERP Pre-Cursors	
C-111 /MWD/CSOP Project Implementation	\$9,174,499
Other Local Sponsors	
Comprehensive Integrated Water Quality Feasibility Study (FDEP)	\$181,258
Biscayne Bay Feasibility Study (Miami-Dade DERM)	N/A
Seminole Tribe Big Cypress Reservation Water Conservation Plan (Seminole Tribe)	N/A
Henderson Creek/Belle Meade Restoration (FDEP)	N/A
Lakes Park Restoration (Lee County)	N/A
Winsberg Farms Wetlands Restoration (Palm Beach County)	N/A
Miccosukee Water Management Plan (Miccosukee Tribe)	N/A
Restoration of Pineland & Hardwood Hammocks in C-111 Basin (Miami-Dade County)	N/A
West Miami-Dade Reuse (Miami-Dade County)	N/A
South Miami-Dade Reuse (Miami-Dade County)	N/A
Total	\$194,751,791

¹ Federal expenditures are not listed on this table.² Total anticipated expenditures include debt service and personnel services.³ Includes the cost of District central service departments (accounting, budget, procurement, etc.) charged to the program by applying a federally approved indirect rate to direct salaries and FDEP administrative costs of the Bureau of Finance and Accounting.⁴ Represents budgeted debt service in FY2014 on Certificates of Participation issued in 2006 (FY2007) of \$15,727,016 to fund project construction; and debt service of \$22,268,617 on existing bonds issued by FDEP to fund CERP and NEEPP.

PART (B) FUNDS – FDEP

BACKGROUND

Pursuant to Section 373.470(7)(b), F.S., Part (B) of the CERP Annual Report provides a detailed account of all funds expended by the state of Florida toward land acquisition, design and construction for CERP in FY2013. Every CERP project component is or will be described in a Project Implementation Report, and subsequently executed Project Partnership Agreement. The amount of expenditures to be credited toward the state of Florida's share of funding for implementation of CERP will be developed during the detailed design phase and affirmed in the respective Project Partnership Agreements.

Table 5 provides the FDEP Annual Report for CERP. As FDEP fund appropriations and expenditures reflect the Save Our Everglades Trust Fund in its entirety, funding used for implementation of the Northern Everglades and Estuaries Protection Program (NEEPP) is also included (refer to Appendix 8-1 of this volume for reporting information on NEEPP).

BASIS OF PRESENTATION

The FDEP's accounting policies conform to GAAP for state and local governmental units and are structured in accordance with the Governmental Accounting Standards Board requirements. The information in these special-purpose financial presentations relates to the general fund and to special revenue funds classified as a governmental fund type. Special revenue funds are used to account for specific revenue sources that are legally restricted to expenditure for specified purposes (see **Table 5**).

Table 5. Florida Department of Environmental Protection, CERP, and NEEPP¹ Annual Report for FY2013.

	Save Our Everglades Trust Fund	General Revenue Fund	Florida Forever Trust Fund	Totals
Revenues By Fund Source				
General Revenue		\$5,225,221		\$5,225,221
Documentary Stamp Taxes for Debt Service	\$17,842,290			\$17,842,290
	\$20,000,000			\$20,000,000
Florida Forever Trust Fund			\$267,414	\$267,414
Interest Earnings (Net)	\$443,499			\$443,499
Total Revenues	\$38,285,789	\$5,225,221	\$267,414	\$43,778,424
Expenditures By Project²				
CERP Projects:				
C-44 Basin Storage Reservoir St Lucie (CERPL7A)	\$44,102	\$111,919		\$156,021
L-8 Reservoir (CERPL17C)	\$3,892,351	\$4,314,267		\$8,206,618
Biscayne Bay Coastal Wetlands (CERPL28) ³	(\$724,655)	\$126,347		(\$598,308)
C-111 Spreader Canal (CERPL29)	\$303,445	\$615,838		\$919,283
Southern Corkscrew Regional Ecosystem Watershed (CERPL50)	\$355,618	\$29,110		\$384,728
Picayune Save Our Everglades			\$267,414	\$267,414
Technical Guidance On Everglades Mercury & Sulfur Issues (WQFS3)	\$500			\$500
CERP Water Quality Copper in Snails Study (WQFS4)	\$210,941			\$210,941
CERP Water Quality Mercury Methylation Study (WQFS5)	\$125,000			\$125,000
NEEPP Projects:				
Northern Everglades Agricultural Nonpoint Source (NELOCASLDA1)	\$3,000,000			\$3,000,000
Lake Okeechobee Protection Plan (LOP1)	\$1,651,701			\$1,651,701
St. Lucie River Watershed Projects (SLRWP1)	\$839,310			\$839,310
Nicodemus Slough (NEAWS1)		\$27,740		\$27,740
C-43 Water Quality Treatment Project (NECAL00-1)	\$89,834			\$89,834
CERP and NEEPP:				
Debt Service on Bonds	\$18,177,317			\$18,177,317
Transfer – Administrative Trust Fund	\$802,870			\$802,870
Total Expenditures	\$28,768,334	\$5,225,221	\$267,414	\$34,260,969

Table 5. Continued.

	Save Our Everglades Trust Fund	General Revenue Fund	Florida Forever Trust Fund	Totals
Encumbrances	\$12,000			\$12,000
Total Encumbrances	\$12,000	\$0	\$0	\$12,000
Excess (Deficiency) of Revenues Over Expenditures and	\$9,505,455			\$9,505,455
Unencumbered Balance as of September 30, 2012	\$23,543,220			\$23,543,220
Fund Balance Reserved for Encumbrances as of September 30, 2012				
Unencumbered Balance as of September 30, 2013	\$33,048,675	\$0	\$0	\$33,048,675

¹ Refer to Appendix 8-1 of this volume for information on NEEPP.

² Expenditures by project reflect trust fund monies issued to SFWMD through the FDEP reimbursement process.

³ The negative expenditure amount in project CERPL28 is due to expenditures being recorded in the incorrect fund and project. These entries have been backed out and recorded correctly. Other period adjustments made during this reporting period have been excluded from the current period expenditure amounts.

PART (C) – IMPLEMENTATION STATUS

BACKGROUND

The Comprehensive Everglades Restoration Plan (USACE and SFWMD, 1999) is a conceptual plan that proposes major modifications to the Central and Southern Florida Project in order to reverse decades of ecosystem decline. Specifically, the plan describes nearly 50 major projects and 68 project components to be constructed at an original cost estimate of \$10.9 billion, in 2004 dollars. Major components of CERP focus on restoring the quantity, quality, timing, and distribution of water for the natural system, and include aquifer storage and recovery, in-ground reservoirs, rainfall-driven operations, removing barriers to sheetflow, seepage management, stormwater treatment areas, surface water storage reservoirs, and water reuse and conservation. The estimated costs for CERP have increased to \$13.5 billion, based on price level (inflation) adjustments to 2009 dollars; and revisions made to scope based on finalized designs for projects such as the Indian River Lagoon – South, Picayune Strand Restoration, Site 1 Impoundment, and C-111 Spreader Canal Western projects (www.evergladesplan.org/pm/program_docs/cerp_reports_congress.aspx; USACE, 2010). Maps of the CERP projects and components, including pilot projects, are provided in **Figures 1a–1h**.

The timeframe of the Central and Southern Florida Project Comprehensive Review Study (Restudy) did not permit a thorough investigation of all the regional water resource challenges in South Florida; therefore, several new feasibility studies were proposed. These studies will be conducted under the authority of the Water Resources Development Act of 1996, which allows for the continuation of studies and analyses that are necessary to further the Comprehensive Plan. These studies will investigate conceptual designs developed under the Comprehensive Plan and make regional recommendations for meeting the future needs of agricultural, urban, and environmental users. Additional information is available at <http://www.evergladesplan.org/pm/studies/studies.aspx>.

In addition to activities outlined in the plan, several non-CERP projects were under way when the plan was written and are necessary precursors for many CERP projects. This precedence relationship was acknowledged when WRDA 2000 required the completion of certain of these projects before appropriations are made for related CERP restoration projects. More information is available at http://www.evergladesplan.org/pm/projects/non_cerp_sf_projects.aspx.

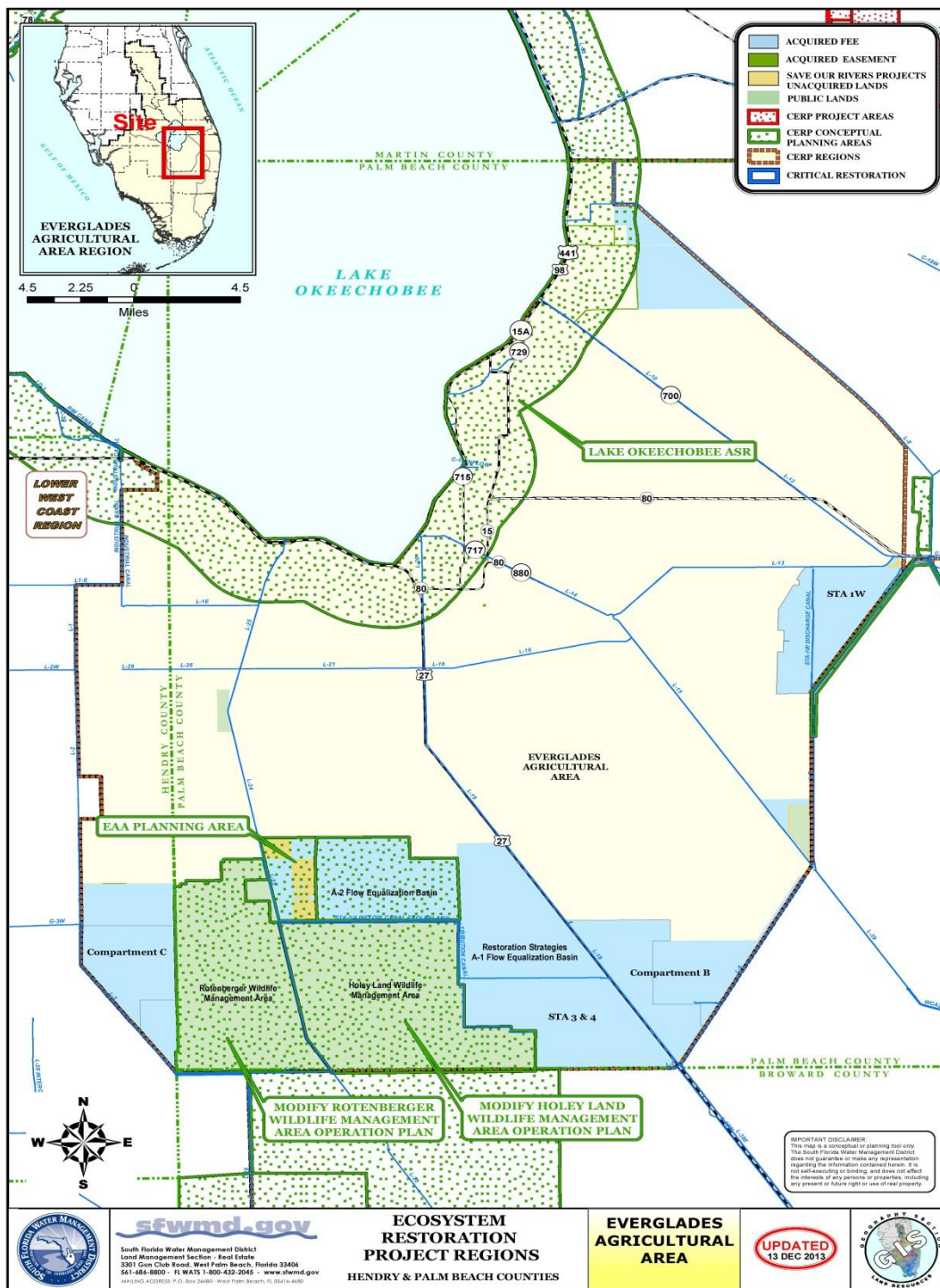


Figure 1a. General location of CERP projects and components, Everglades Agricultural Area region.

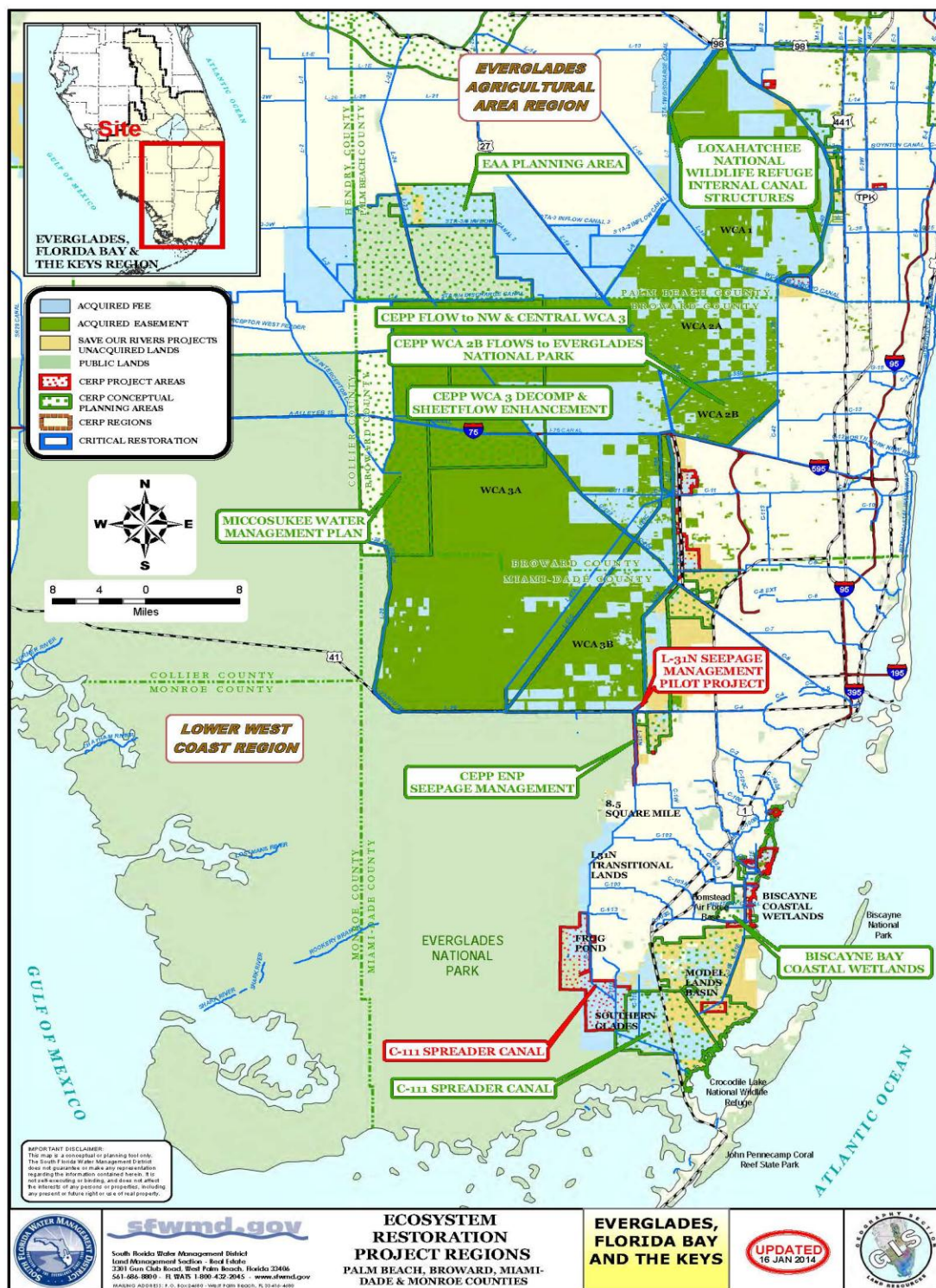


Figure 1b. General location of CERP projects and components, Everglades, Florida Bay, and Florida Keys region.

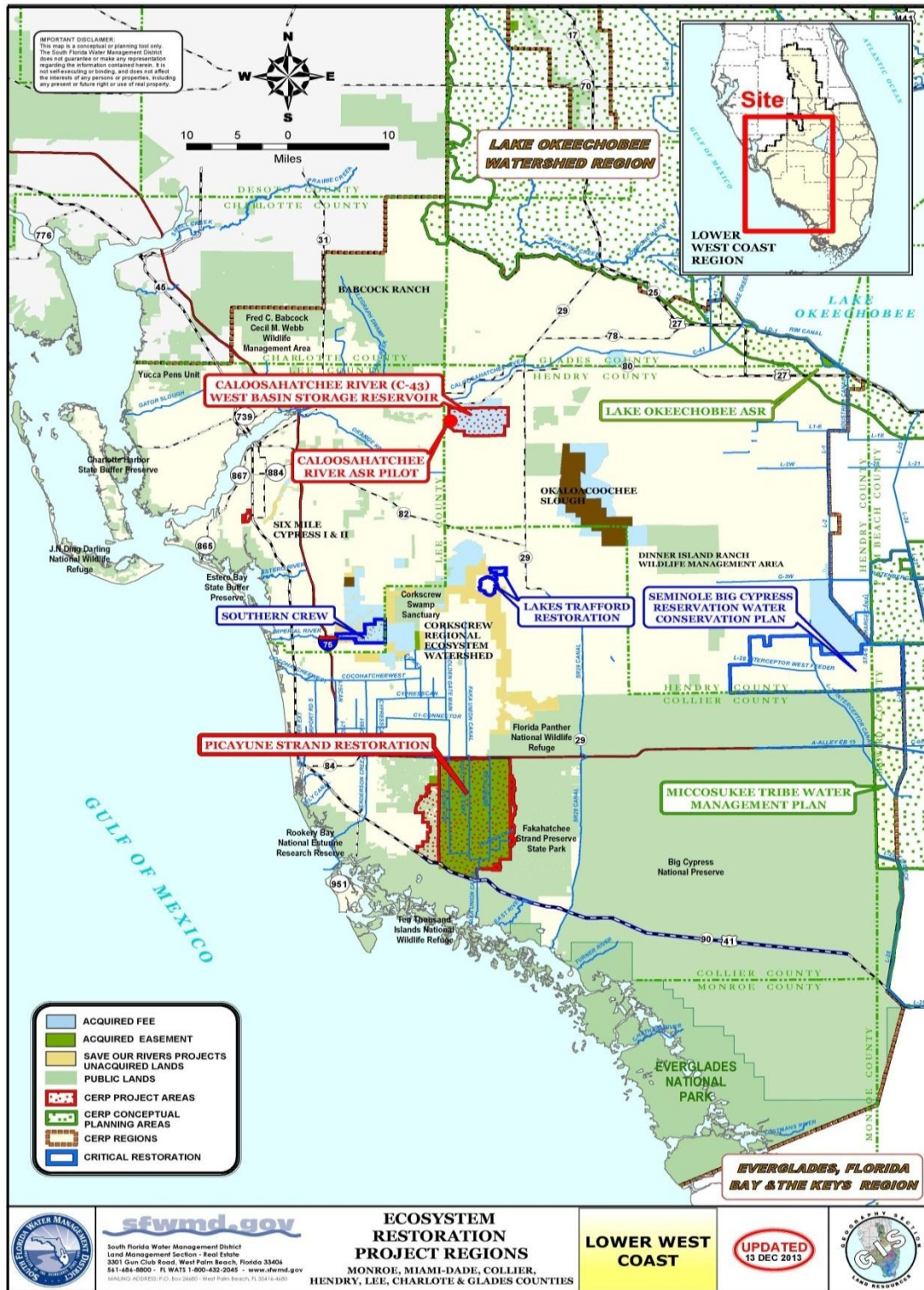


Figure 1c. General location of CERP projects and components, Lower West Coast region.

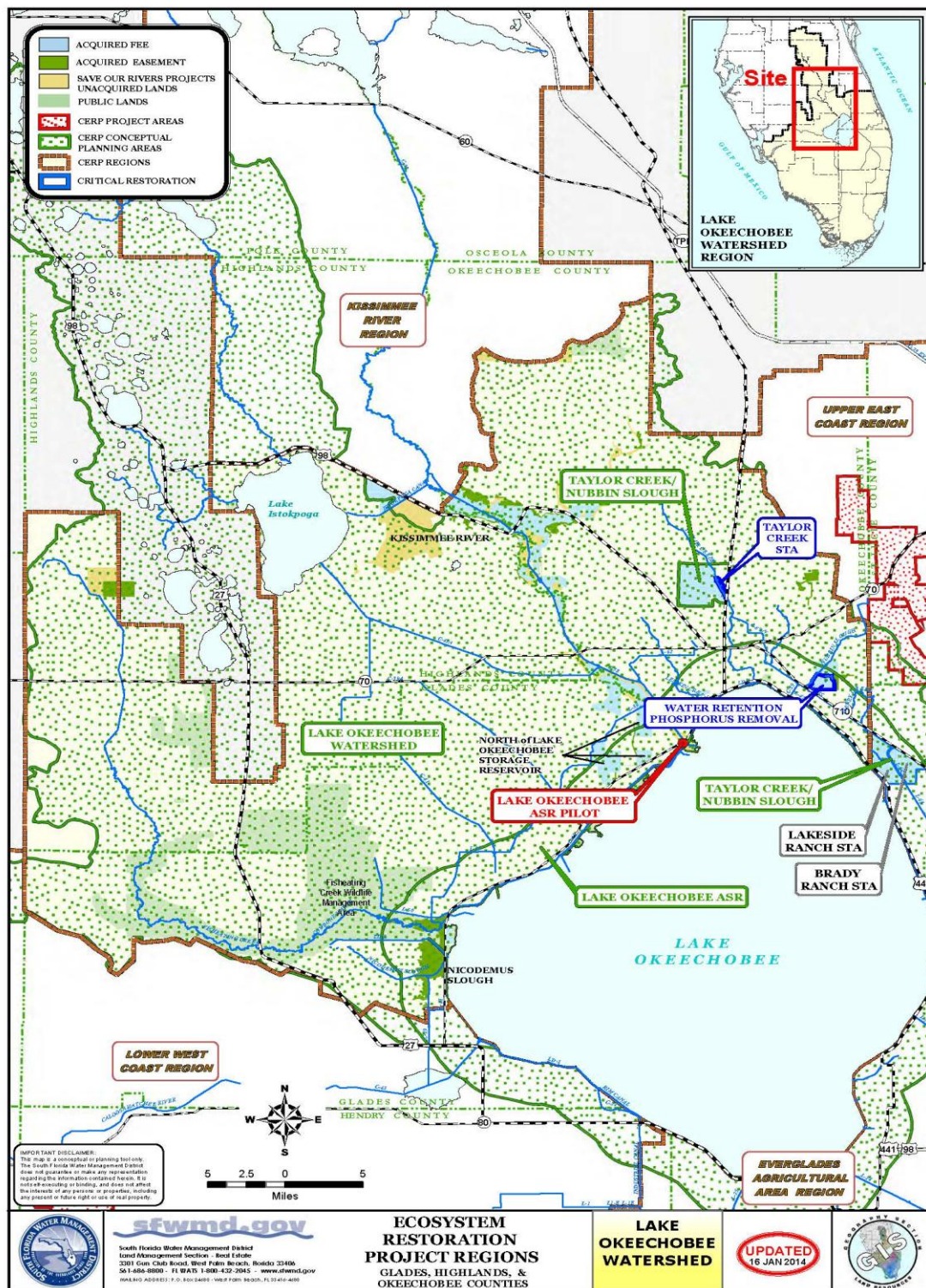


Figure 1d. General location of CERP projects and components, Lake Okeechobee Watershed region.

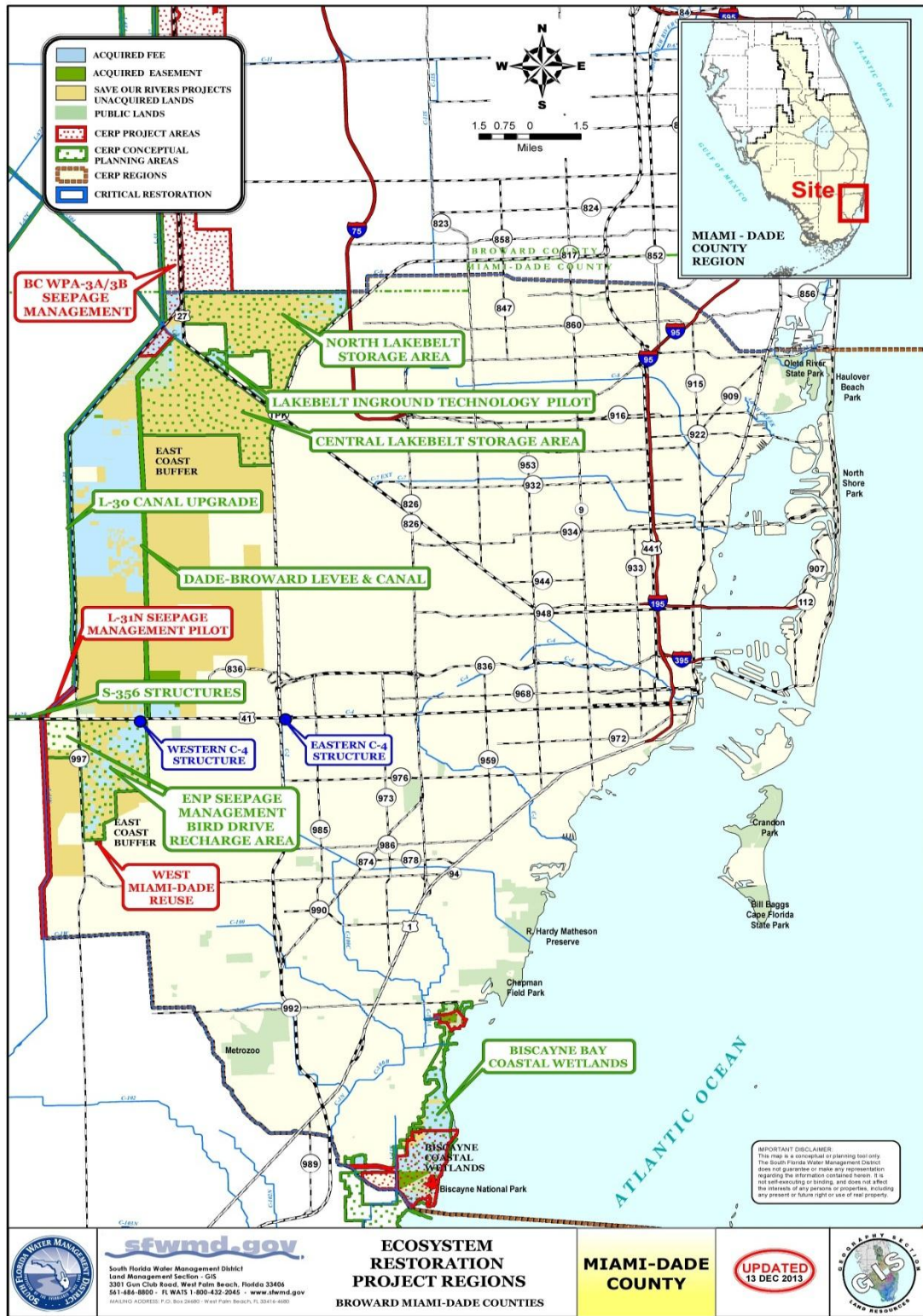


Figure 1e. General location of CERP projects and components, Miami-Dade County region.

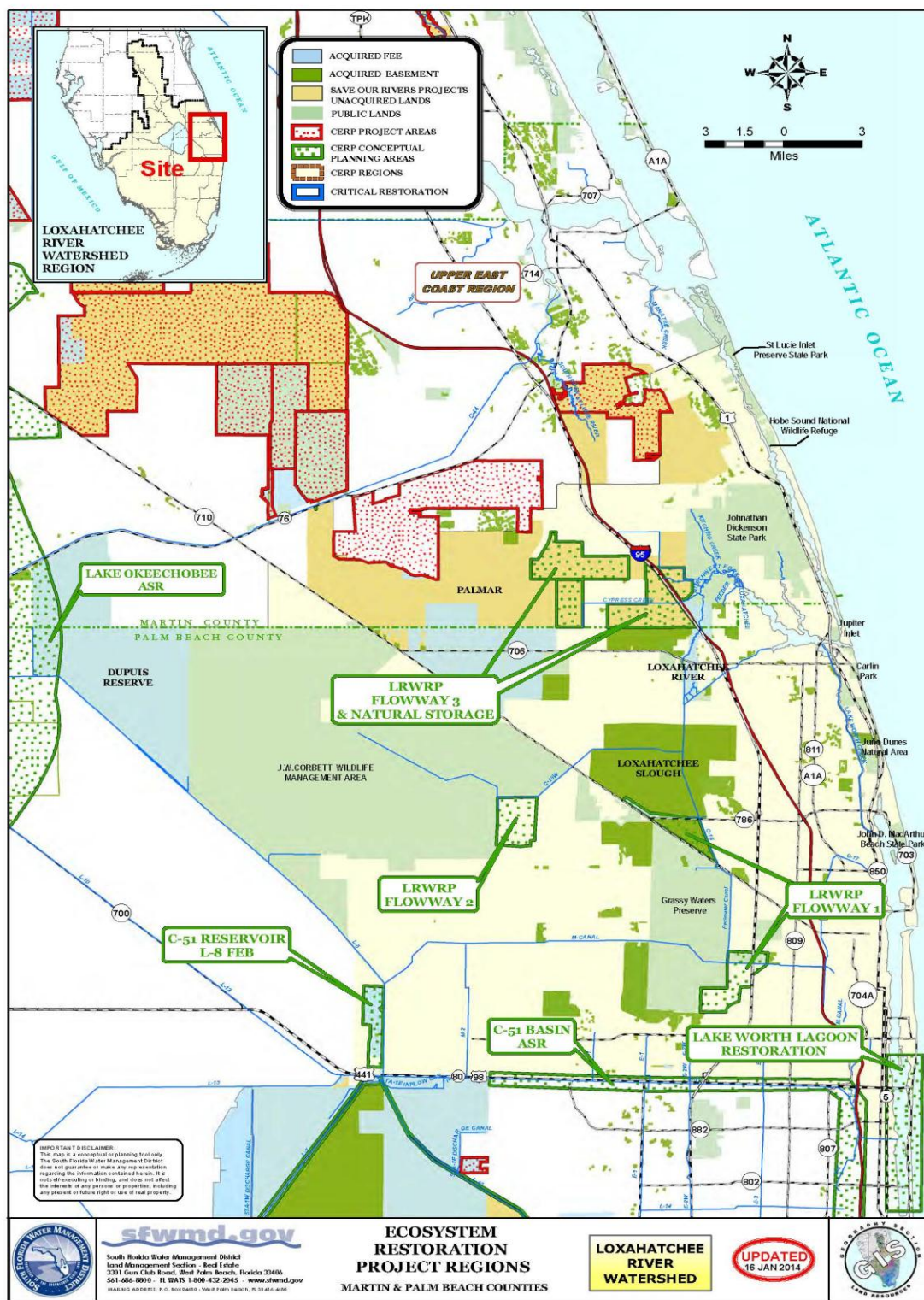


Figure 1f. General location of CERP projects and components, Loxahatchee River Watershed region.

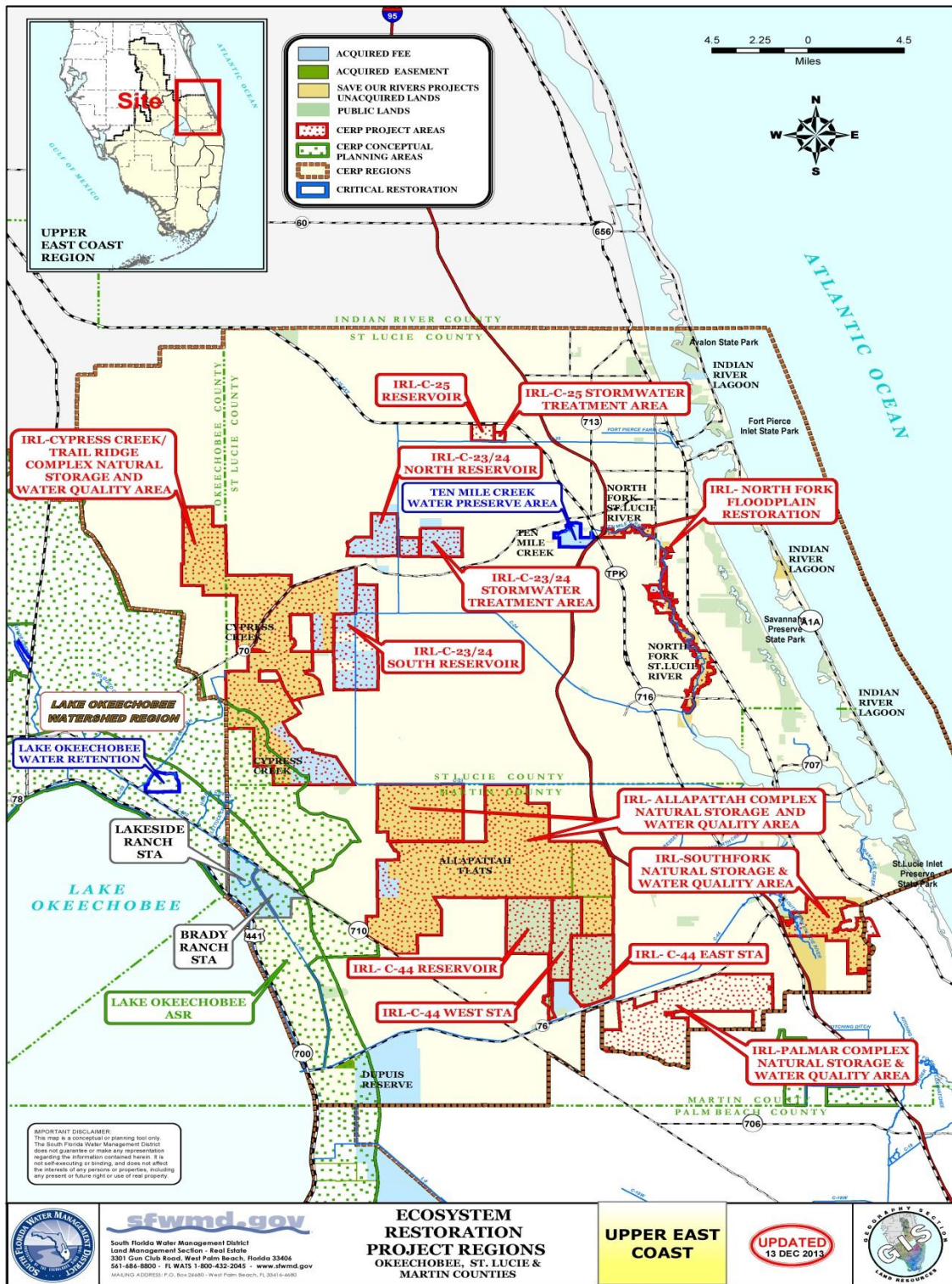


Figure 1g. General location of CERP projects and components, Upper East Coast region.

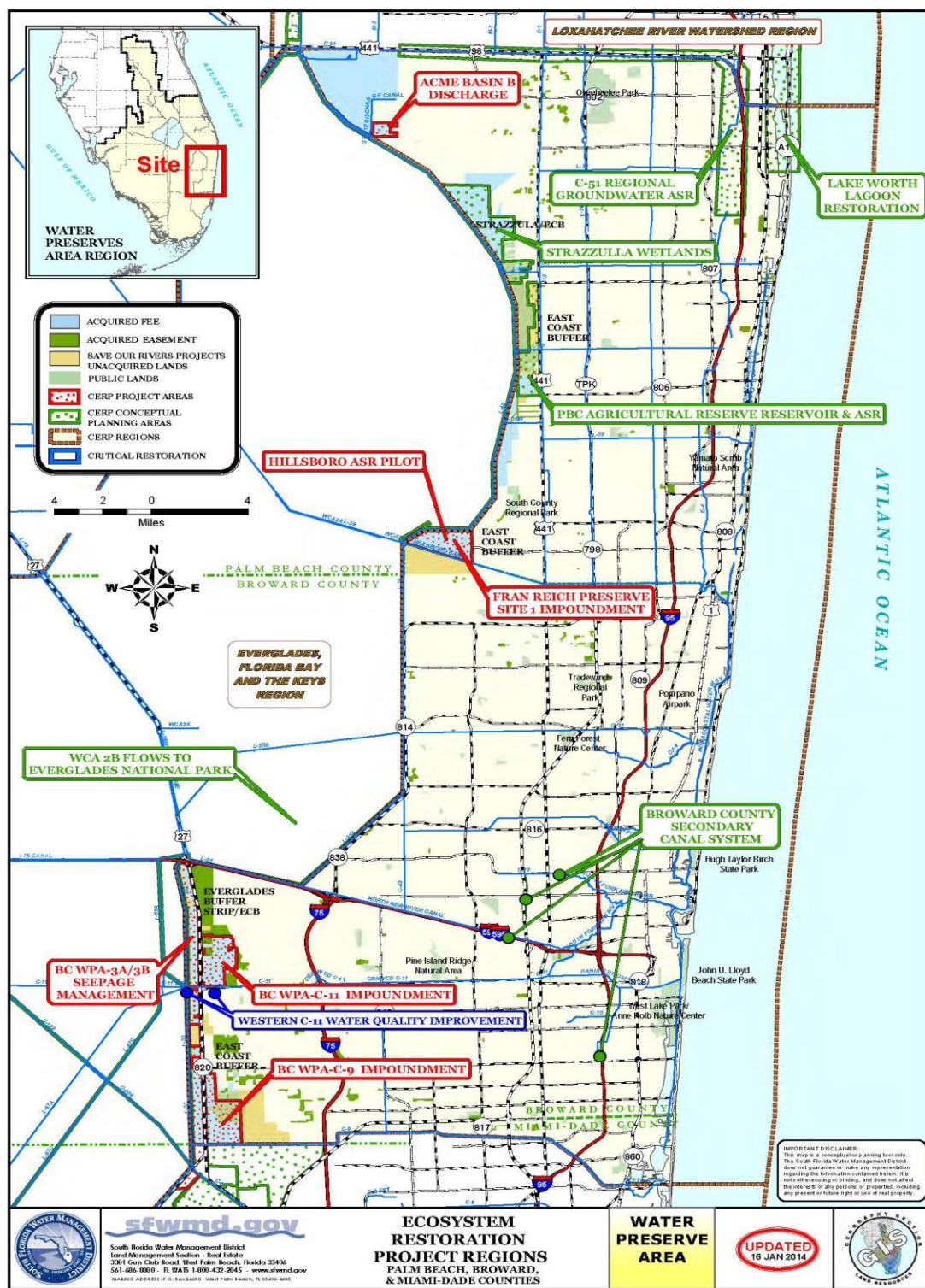


Figure 1h. General location of CERP projects and components, Water Preserve Areas region.

PROJECTS STATUS OVERVIEW

CERP projects or components of projects progress through a standard implementation process that starts with completion of the project identification phase, formalized in the Comprehensive Everglades Restoration Plan. The process moves the project from the conceptually described projects and components contained in the Comprehensive Everglades Restoration Plan to more specifically defined features contained in Project Implementation Reports. These features are then designed, constructed, and operated to achieve project goals. In order to complete CERP implementation, projects and components must advance through the remaining phases of project planning, project design, and project construction; supported by modeling, land acquisition, and project controls and technical services performed throughout the process. **Figure 2** depicts an overview of the CERP implementation process.

Table 6 presents the progression of each CERP project and component through the CERP implementation process. It should be noted that the land acquisition support function is reflected as an implementation phase in the table, as Section 373.470(7), F.S., considers this activity alongside design and construction for financial reporting purposes. The post-implementation, operations phase is included in the table only for informational purposes.

There are 83 projects and components listed in the CERP implementation status table. During the reporting period, 28 CERP projects and components were actively worked. An additional 20 projects and components were inactive during the reporting period; however, one or more phases of the CERP implementation process had commenced. There are 20 pending projects that are planned to start in future years. Four projects are on-hold pending resolution of issues that may lead to project plan modifications. Other local sponsors have been assigned to oversee the remaining 11 projects.

The current listing of 83 projects and components can be linked to the CERP original suite of 50 major projects and 68 project components using the Restudy component identifier found in the first column of **Table 6** as a cross-reference. Project specific details such as descriptions, project schedules, fiscal year milestones and accomplishments, and project cost estimates are available in the SFER Consolidated Project Report Database at www.sfwmd.gov/sfer.

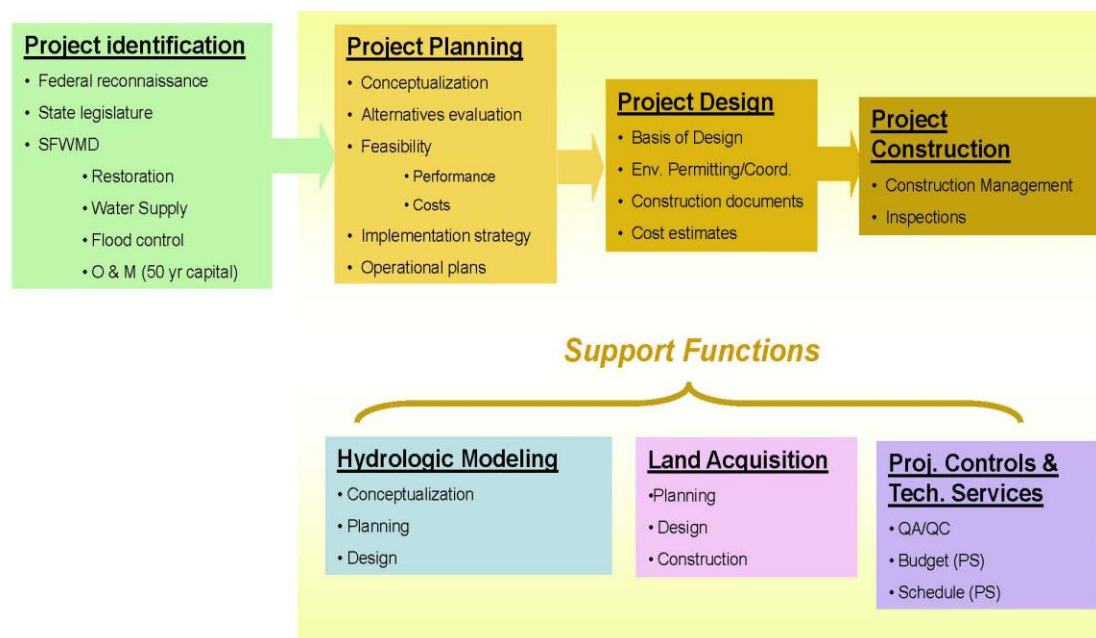


Figure 2. CERP implementation process.

Table 6. CERP project implementation status.

Region/ Restudy Component	Comp ID	Component Name	General Status	Implementation Process				
				Planning	Land Acquisition	Design	Construction	Operations
Everglades Agricultural Area Region								
G P1, G P2	08	CEPP, EAA Reservoir - Phase 1 & 2 (A-2 Compartment) ¹	Active	x	x			
G P1, G P2	08A	Everglades Agricultural Area Storage Reservoirs - Phase 1 (A-1 Compartment) ²	On-hold	x	x			
DD	15	Modify Holey Land Wildlife Management Area Operation Plan	Pending					
EE	16	Modify Rotenberger Wildlife Management Area Operation Plan	Pending					
Everglades, Florida Bay and the Keys Region								
II	11A	CEPP, G-404 Pump Station Modifications ¹	Active	x				
RR	11B	CEPP, Flows to NW & Central WCA 3A ¹	Active	x				
AA, QQ P1, P2, SS, ZZ	12A-C	CEPP, WCA 3 Decompartmentalization and Sheetflow Enhancement ¹	Active	x				
KK	14	Loxahatchee NWR Internal Canal Structures	Pending					
EEE	23	Flows to Eastern Water Conservation Area	Pending					
V	27A	CEPP, L-31N (L-30)Seepage Management ¹	Active	x	x			
FF	27B	CEPP, S-356 Structure ¹	Active	x	x			
U	43A-C	Bird Drive Recharge Area ⁴	On-hold	x	x			
WW	29A	C-111 Spreader Canal Western Project	Active	x	x	x	x	x
WW	29	C-111 Spreader Canal Eastern Project	Inactive	x				
OPE, FK	31	Florida Keys Tidal Restoration	Pending					
PILOT	36	L-31N (L-30) Seepage Management Pilot	On-hold	x	x	x	x	
OPE	90	Miccosukee Water Management Plan	N/A					
Lake Okeechobee Watershed Region								
A	01A	North of Lake Okeechobee Storage Reservoir	Inactive	x	x			
W	01B	Taylor Creek/Nubbin Slough STA	Active	x	x	x	x	x
LOWQTF	01C	Lake Okeechobee Watershed Water Quality Treatment Facilities	On-Hold	x	x			
OPE(LOTSD)	01D	Lake Okeechobee Tributary Sediment Dredging	Pending					
GG-P1, GG-P2, GG-P3	03A-C	Lake Okeechobee ASR - Phases 1-3	Pending					
PILOT	32	Lake Okeechobee ASR Pilot ³	Active	x	x	x	x	x
Lower West Coast Region								
D P1	04	C-43 Basin Storage Reservoir - Part 1	Inactive		x			
D P1	04A	Caloosahatchee River (C-43) West Basin Storage Reservoir	Active	x	x	x		
D P2	05	C-43 Basin Storage Reservoir - Part 2	Inactive	x				
DDD	06	Caloosahatchee Back-pumping with Stormwater Treatment	Pending					
CCC	10	Big Cypress - L-28 Interceptor Modifications	Pending					
OPE, SEGGHR	30	Picayune Strand Restoration	Active	x	x	x	x	
PILOT	33	Caloosahatchee River (C-43) ASR Pilot	Inactive	x	x	x	x	x
OPE	93	Henderson Creek/Belle Meade Restoration	N/A					
OPE	94	Lakes Park Restoration	N/A	x	x	x		
OPE	96	Seminole Tribe Big Cypress Reservation Water Conservation Plan	N/A	x	x	x		

Table 6. Continued.

Region/ Restudy Component	Comp ID	Component Name	General Status	Implementation Process				
				Planning	Land Acquisition	Design	Construction	Operations
Loxahatchee River Watershed								
OPE(PALMAR)	17A	LRWRP Flowway 3 & Natural Storage (Pal Mar and JW Corbett WMA Hydropattern Restoration)	Active	x	x	x	x	
K P1	17B01	LRWRP Flowway 1 Storage	Active	x				
K P1	17B02	L-8 Basin, LRWRP Flowway 2 Storage	Active	x				
GGG	17C	C-51 Reservoir & L-8 Flow Equalization Basin, L-8 Reservoir ⁵	Active					
OPE(LWL)	17D	Lake Worth Lagoon Restoration	Active	x		x	x	x
X	17E	C-17 Backpumping & Treatment ⁴	Inactive	x				
Y	17F	C-51 Backpumping and Treatment ⁴	Inactive	x				
LL	18A	C-51 Basin Aquifer Storage & Recovery	Pending					
K P2	18B	L-8 Loxahatchee River Watershed Restoration Aquifer Storage and Recovery	Pending					
OPE	91	Winsberg Farms Wetlands Restoration	N/A	x	x	x	x	x
Miami-Dade County Region								
XX P2	25A	North Lake Belt Storage Area - Phase 2	Pending					
S P1	26	Central Lake Belt Storage - Phase 1	Pending					
S P2	26A	Central Lake Belt Storage - Phase 2	Pending					
FFF/OPE	28A	Biscayne Bay Coastal Wetlands - Phase 1	Active	x	x	x	x	
FFF/OPE	28	Biscayne Bay Coastal Wetlands - Phase 2	Inactive		x			
PILOT	35	Lake Belt In-Ground Reservoir Technology Pilot	Inactive	x				
PILOT	37A	South Miami-Dade WW Reuse Pilot	N/A					
PILOT	37B	West Miami-Dade WW Reuse Pilot	N/A					
NONE	92	Restoration of Pineland & Hardwood Hammocks in C-111 Basin	N/A					
HHH	97	West Miami-Dade Reuse	N/A	x				
BBB	98	South Miami-Dade Reuse	N/A	x				
Upper East Coast Region (IRL-South)								
UU	07A01	C-44 Reservoir	Active	x	x	x	x	
B	07A02	C-44 West STA	Active	x	x	x		
B	07A03	C-44 East STA	Active	x	x	x		
UU	07A04	Pal Mar Complex	Active	x	x			
UU	07B05	C-23/C-24 North Reservoir	Inactive	x	x			
UU	07B06	C-23/C-24 South Reservoir	Inactive	x	x			
UU	07B07	C-23/C-24 STA	Inactive	x	x			
B	07B09	Allapattah Complex	Active	x	x	x	x	x
UU	07B10	Cypress Creek Complex	Inactive	x	x			
B	07B13	Southfork Storage & Water Quality	Inactive	x	x			
UU	07C12	C-25 Reservoir & STA	Inactive	x				
UU	07C14	North Fork Floodplain Restoration	Active	x	x	x	x	x
UU	07C15	Muck Remediation & Artificial Habitat	Inactive	x				

Table 6. Continued.

Region/ Restudy Component	Comp ID	Component Name	General Status	Implementation Process				
				Planning	Land Acquisition	Design	Construction	Operations
Water Preserve Area Region								
VV P1	20	PBC Agricultural Reserve Reservoir - Part 1	Inactive	x	x			
VV P2	21	PBC Agricultural Reserve Reservoir - Part 2	Pending					
M P2	22	Hillsboro Aquifer Storage and Recovery	Pending					
CC P1	24	Broward County Secondary Canal System	Pending					
PILOT	34	Hillsboro ASR Pilot ³	Active	x	x	x	x	x
OPE	38	Acme Basin B Discharge	N/A	x	x	x	x	x
OPE	39	Strazzulla Wetlands	Inactive	x	x	x		
M P1	40	Fran Reich Preserve - Site 1 Impoundment	Active	x	x	x	x	
O	45A	Broward County Water Preserve Area, WCA 3A & 3B Levee Seepage Mgmt	Active	x	x	x		
Q	45B	Broward County Water Preserve Area, C-11 Impoundment	Active	x	x	x		
R	45C	Broward County Water Preserve Area, C-9 Impoundment	Active	x	x			
T	46	C-4 Control Structures	Pending					
YY, S P1	48A	L-30 Canal Upgrade	Pending					
YY, S P1	48B	WCA - 2B Flows to CLBSA	Pending					
BB	49B	Dade-Broward Levee & Canal	Inactive	x	x			
XX P1	25B	WPA Conveyance	Inactive	x	x			

Note: The current listing of projects and components can be linked to the CERP original suite of 50 major projects and 68 project components using the Restudy component identifier found in the first column of **Table 6** as a cross-reference. Other Program Element (OPE) projects (Component ID: 90-98) have a local sponsor other than the SFWMD.

¹Components under consideration as part of the Central Everglades Planning Project (CEPP).

²The lands associated with Compartment A-1 are primarily designated for use as part of the Restoration Strategies central flow path. The Central Everglades Planning Project proposes to integrate the use of Compartment A-1 and Compartment A-2 as a combined flow equalization basin (FEB) storage feature in the Everglades Agricultural Area.

³Included in the ASR Regional Study.

⁴Components have been screened out during the planning process and are no longer under consideration.

⁵The L-8 Reservoir is being considered as part of Restoration Strategies. Although undefined at this time, there may be opportunity for the L-8 Reservoir to provide some storage capacity for the LRWRP without compromising water quality requirements associated with Restoration Strategies.

General Status

Active – Project implementation activities occurred in the fiscal year (FY2013).

Inactive – One or more phases of the CERP implementation process have commenced; however, no additional work was performed during the reporting period, pending resolution of some external driver (priorities, funding constraint, scheduling, etc.).

N/A – Information not available (only applies to OPE projects where SFWMD is not the local sponsor).

On-Hold – Work on project has been suspended due to potential project plan modifications.

Pending – Project scheduled to start in a future year.

CERP IMPLEMENTATION HIGHLIGHTS

Key activities and milestones completed during the reporting period are highlighted below.

Land Acquisition

- Approximately 235,695 acres or nearly 60 percent, of estimated lands needed for CERP have been acquired as of September 30, 2013.

Loxahatchee River Watershed Restoration

- The SFWMD has negotiated the acquisition of the Mecca property, which will be incorporated into the Loxahatchee River Watershed Restoration Project to provide water storage and deliveries to the Loxahatchee River.

Planning

Central Everglades Planning Project

- The SFWMD, as local sponsor, is assisting the U.S. Army Corps of Engineers (USACE) in its effort to speed up the planning for key restoration projects in the heart of the Everglades.
- The Central Everglades Planning Project Draft Integrated Project Implementation Report was published in the Federal Register in August of 2013 for public and agency review.

Broward County Water Preserve Area Project

- The Planning Phase concluded with update of the Project Implementation Report and Final Environmental Impact Statement in May 2012 and execution of the Record of Decision in October 2012. The next phase will begin when the U.S. Congress has authorized and funded project design and construction.

Construction

Biscayne Bay Coastal Wetlands Project

- The Draft Construction Phasing, Transfer and Warranty Plan was completed by the SFWMD and submitted to the USACE.
- The SFWMD initiated operations of the Deering Estate component including start-up operational testing and monitoring.
- The SFWMD began diversion of fresh water from the Deering Estate Pump Station to wetlands within vicinity of Deering Estate Flow-way, with approximately 15,512 acre-feet of fresh water being diverted to historical, remnant wetlands.
- The SFWMD provided regional deliveries through two experimental operational pilot projects during the dry season to test the effectiveness of passing supplemental water flows into central Biscayne Bay.
- The SFWMD diverted 5,333 acre-feet of fresh water through the L-31E culverts to wetlands east of the L-31E levee.

C-111 Spreader Canal Western Project

- The Draft Construction Phasing, Transfer and Warranty Plan was completed by the SFWMD and submitted to the USACE.

Picayune Strand Restoration Project

- At the end of FY2013, the Merritt Pump Station was 94 percent (Phase II road removal 100 percent) complete and the Faka Union Pump Station was 75 percent (Phase III road removal nearing 100 percent) complete.
- In September 2013, the USACE issued the Miller Pump Station contract to construct the pump station, tie-back levee, spreader berm and spreader basin, and the drainage features.
- The construction plans and specifications for a third contract for Miller pump stations and road removal were completed.

Indian River Lagoon – South, C-44 Reservoir and Stormwater Treatment Areas Project

- The USACE continued construction under Contract 1, which includes the Intake Canal and Access Road, the C-133 Canal and Access Road, and the Citrus Boulevard Bridge.
- The USACE continued development of plans and specifications for Contract 2 (reservoir and pump station), with a planned construction start date of August 2015.
- The SFWMD initiated the design effort to construct the Stormwater Treatment Area component of the project, with construction of the system discharge canal and spillway to begin in June 2014 and construction of STA cell 2 to begin in September 2014.

Melaleuca Eradication and Other Exotic Plants

- The USACE completed construction on a 2,700 square foot annex to be used to mass rear approved biological control agents to help control the spread of invasive exotic plants such as melaleuca (*Melaleuca quinquenervia*), Old World climbing fern (*Lygodium microphyllum*), and Brazilian pepper (*Schinus terebinthifolius*).

LITERATURE CITED

USACE. 2010. 2010 Report To Congress (Draft). U.S. Army Corps of Engineers, Jacksonville, FL. On-line at www.evergladesplan.org/pm/program_docs/cerp_reports_congress.aspx.

USACE and SFWMD. 1999. Central and Southern Florida Project Comprehensive Review Study, Final Integrated Feasibility Report and Programmatic Environmental Impact Statement, April 1999. U.S. Army Corps of Engineers, Jacksonville, FL and South Florida Water Management District, West Palm Beach, FL.